

ABSTRACT OF THE DISCLOSURE

[0054] In accordance with the teachings of the present invention, a method and apparatus is presented for registering a mobile IP node with a home agent. A self-selection method is implemented in a home agent. When a home agent receives a registration request from the mobile node, the self-selection method enables each home agent to independently and randomly generate a value that falls within a range of numbers. Each range of numbers is referred to as a bin. In addition, each home agent is associated with at least one of bin. If the value falls within the bin, the home agent associated with the bin responds to the registration request. In addition, home agents are uniformly selected relative to other home agent on the network; therefore, implementing the self-selection method performs load balancing in the network.